



June 2008

**DEPARTMENT OF EDUCATION**  
2007–2008 School Year Reports

Dear School Board Members and School Personnel:

The Maine Educational Assessment (MEA) is the State's measure of student progress in achieving the State standards known as *Learning Results*, adopted by the Maine Legislature in 1997. These *Learning Results* established goals for what all students should know and be able to do at certain times in their school careers and are the basis for Grade Level/Span Expectations, which describe the assessment standards for each grade. The MEA is administered to students in all grades 3 through 8 to meet state assessment requirements and the requirements of the federal *No Child Left Behind Act*.

The 2007-2008 MEA summary reports contain the results of student achievement in reading and mathematics at all grades, science and technology at grades 4 and 8, and writing at grade 5 based on achievement standards set in 2006 and disaggregated by student and school characteristics. This report, together with MEA individual student and subject-specific class analysis reports, provides support for use in program evaluation and planning.

MEA results reflect scores based on test questions that are taken in common by the approximately 15,000 students in each grade level. Students' scores in each content area are based on answers to a combination of multiple-choice questions and questions that require students to construct an answer. The grade 5 writing reports provide information on a student's ability to respond to a prompt measuring narrative writing. More information about the design of the MEA is available at [www.maine.gov/education/mea/index.htm](http://www.maine.gov/education/mea/index.htm).

I look forward to working with you in support of our continued efforts to improve the quality and effectiveness of the instructional opportunities designed to help all students achieve the high standards of the *Learning Results* and demonstrate that achievement through performance on the Maine Educational Assessment.

Sincerely,

Susan A. Gendron  
Commissioner of Education



## School Report Grade 8

Test Date: March 2008  
Code: 12481709  
SAU: MSAD 54  
School: Skowhegan Area Middle School

### Contents of the Report

The report is divided into two main sections including a section describing the students tested and a separate section for the results in each content area.

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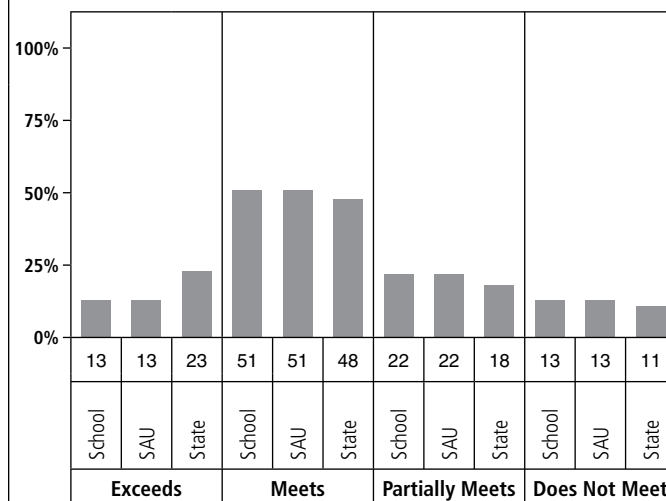
# SUMMARY OF SCORES

Test Date: March 2008  
Grade: 8  
SAU: MSAD 54  
School: Skowhegan Area Middle School

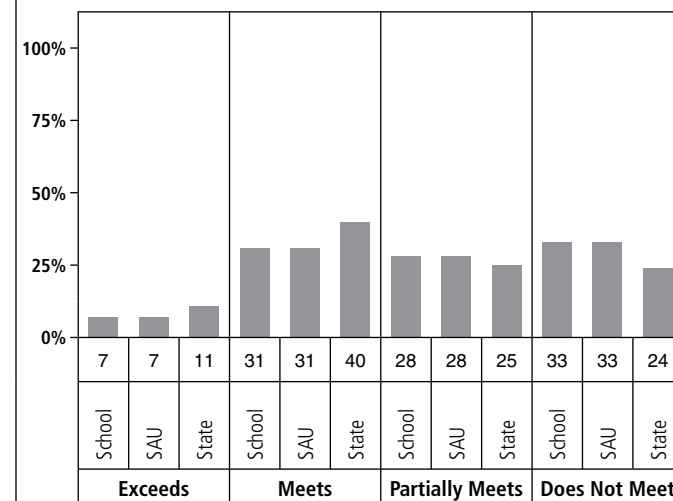
## Summary of School, SAU, and State Scores

Year	Average Scaled Score		
	School	SAU	State
<b>ELA – Reading</b>			
2005–2006	840	840	845
2006–2007	838	838	847
<b>2007–2008</b>	<b>846</b>	<b>846</b>	<b>849</b>
Cum. Avg. *	841	841	847
<b>Mathematics</b>			
2005–2006	836	836	840
2006–2007	835	835	842
<b>2007–2008</b>	<b>836</b>	<b>836</b>	<b>841</b>
Cum. Avg. *	836	836	841
<b>Science &amp; Technology</b>			
2005–2006	843	843	846
2006–2007	842	842	847
<b>2007–2008</b>	<b>843</b>	<b>843</b>	<b>847</b>
Cum. Avg. *	843	843	847

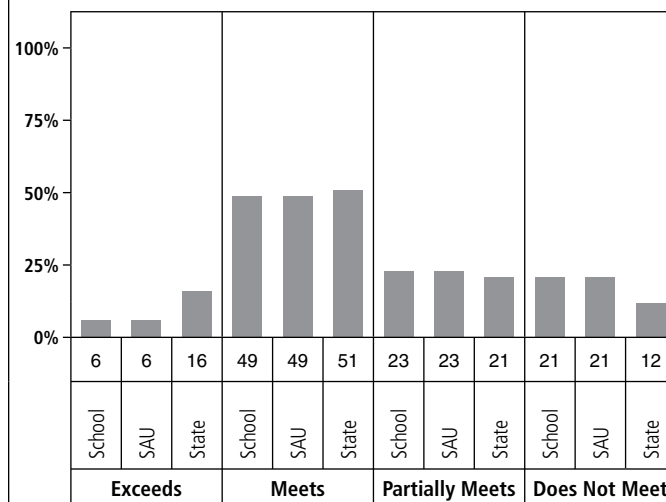
### ELA – READING



### MATHEMATICS



### SCIENCE AND TECHNOLOGY



\*Cumulative averages are weighted, i.e., the scaled scores are averaged proportionally based on the numbers of students in each year.

# SUMMARY OF STUDENT PARTICIPATION

Test Date: March 2008  
 Grade: 8  
 SAU: MSAD 54  
 School: Skowhegan Area Middle School

CATEGORY OF PARTICIPATION	Enrollment <sup>1</sup> during testing window						CONTENT AREA PARTICIPATION <sup>2</sup>																							
							ELA-Reading						Mathematics						Science and Technology											
	School		SAU		State		School		SAU		State		School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Total number of students	221	100	221	100	15274	100	216	98	216	98	15102	99	216	98	216	98	15097	99	215	97	215	97	15080	99						
Ethnicity African American/Black	2	1	2	1	368	2	2	100	2	100	356	97	2	100	2	100	360	98	2	100	2	100	356	97						
American Indian or Native Alaskan	0	0	0	0	120	1	0	0	0	0	117	98	0	0	0	0	117	98	0	0	0	0	117	98						
Asian or Pacific Islander	0	0	0	0	186	1	0	0	0	0	181	97	0	0	0	0	182	98	0	0	0	0	182	98						
Hispanic	0	0	0	0	139	1	0	0	0	0	136	98	0	0	0	0	136	98	0	0	0	0	136	98						
Caucasian/White	219	99	219	99	14461	95	214	98	214	98	14312	99	214	98	214	98	14302	99	213	97	213	97	14289	99						
Not Reported	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
Identified disability	47	21	47	21	2508	16	43	91	43	91	2446	98	43	91	43	91	2441	98	43	91	43	91	2431	98						
Current LEP	0	0	0	0	327	2	0	0	0	0	316	97	0	0	0	0	322	99	0	0	0	0	322	99						
Economically disadvantaged	107	48	107	48	5420	35	103	96	103	96	5329	99	103	96	103	96	5324	99	102	95	102	95	5313	98						
Migrant	1	0	1	0	7	0	1	100	1	100	7	100	1	100	1	100	7	100	1	100	1	100	7	100						

MODE OF PARTICIPATION <sup>3</sup>	ELA-Reading						Mathematics						Science and Technology											
	School		SAU		State		School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Participation without accommodations	174	79	174	79	12703	83	174	79	174	79	12694	83	173	78	173	78	12710	83						
Identified disability (PET/IEP)	2	1	2	1	437	3	2	1	2	1	421	3	2	1	2	1	445	4						
LEP	0	0	0	0	172	1	0	0	0	0	172	1	0	0	0	0	173	1						
504 plan	0	0	0	0	229	2	0	0	0	0	231	2	0	0	0	0	230	2						
Participation with accommodations	41	19	41	19	2221	15	41	19	41	19	2227	15	41	19	41	19	2197	14						
Identified disability (PET/IEP)	40	98	40	98	1832	82	40	98	40	98	1844	83	40	98	40	98	1813	83						
LEP	0	0	0	0	136	6	0	0	0	0	143	6	0	0	0	0	142	6						
504 plan	2	5	2	5	68	3	2	5	2	5	66	3	2	5	2	5	66	3						
Other	0	0	0	0	213	10	0	0	0	0	202	9	0	0	0	0	204	9						
Participation through alternate assessment (PAAP)	1	0	1	0	177	1	1	0	1	0	176	1	1	0	1	0	173	1						
Identified disability (PET/IEP)	1	100	1	100	177	100	1	100	1	100	176	100	1	100	1	100	173	100						
LEP	0	0	0	0	7	4	0	0	0	0	7	4	0	0	0	0	7	4						
504 plan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
Approved non-participation in reading – 1st year LEP	0	0	0	0	1	0																		
Approved non-participation – special consideration	0	0	0	0	32	0	0	0	0	0	34	0	0	0	0	0	34	0						
Non-participation – other	5	2	5	2	140	1	5	2	5	2	143	1	6	3	6	3	160	1						

1 Percents are the percentage of students enrolled in each participation category.

2 Percents are the percentage of students, including those who participated through alternate assessment (PAAP), who participated in the content area.

3 Percents are the percentage of students in each content area by mode.

# ELA–READING RESULTS

Test Date: March 2008  
Grade: 8  
SAU: MSAD 54  
School: Skowhegan Area Middle School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
<b>Exceeds the Standards</b> – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing in-depth inferences, analyzing texts for subtle clues, synthesizing information across texts, and using his/her knowledge of text features and literary devices to make deeper connections within or across texts to increase comprehension. (scaled score 861–880)	2005-2006	21	9	21	9	2695	17
	2006-2007	7	3	7	3	2407	16
	<b>2007-2008</b>	<b>29</b>	<b>13</b>	<b>29</b>	<b>13</b>	<b>3428</b>	<b>23</b>
	Cum. Total*	57	9	57	9	8530	18
<b>Meets the Standards</b> – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing inferences, summarizing main ideas and providing supporting details, connecting ideas within and across texts, and using his/her knowledge of text features and literary devices to increase comprehension. (scaled score 841–860)	2005-2006	99	42	100	42	6830	42
	2006-2007	79	37	79	37	7494	49
	<b>2007-2008</b>	<b>109</b>	<b>51</b>	<b>109</b>	<b>51</b>	<b>7179</b>	<b>48</b>
	Cum. Total*	287	43	288	43	21503	46
<b>Partially Meets the Standards</b> – The student’s work demonstrates an inconsistent ability to read and interpret literary and informational texts appropriate for the grade level. The student’s ability to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, and use his/her knowledge of text features and literary devices varies depending on the texts. (scaled score 829–840)	2005-2006	66	28	66	28	3741	23
	2006-2007	80	38	80	38	3628	24
	<b>2007-2008</b>	<b>48</b>	<b>22</b>	<b>48</b>	<b>22</b>	<b>2706</b>	<b>18</b>
	Cum. Total*	194	29	194	29	10075	22
<b>Does Not Meet the Standards</b> – The student’s work demonstrates a limited ability to read and interpret literary and informational texts appropriate for the grade level. The student’s responses are often vague or incorrect leaving the impression that the student found it difficult to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, or use his/her knowledge of text features and literary devices to support comprehension. (scaled score 800–828)	2005-2006	52	22	52	22	3003	18
	2006-2007	47	22	47	22	1810	12
	<b>2007-2008</b>	<b>29</b>	<b>13</b>	<b>29</b>	<b>13</b>	<b>1611</b>	<b>11</b>
	Cum. Total*	128	19	128	19	6424	14

Learning Results Content Standard Cluster	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
<b>Total Reading Cluster</b>	<b>56</b>	<b>100</b>	34.7	62.0	34.7	62.0	36.9	65.9
<b>Literary Text</b>	<b>28</b>	<b>50</b>	17.2	61.4	17.2	61.4	18.3	65.4
<b>Informational Text</b>	<b>28</b>	<b>50</b>	17.5	62.5	17.5	62.5	18.6	66.4

The Maine *Learning Results* reading cluster includes Content Standards A (Process of Reading), B (Literature and Culture), and D (Informational Texts). The MEA assesses students’ reading skills based on questions related to two types of reading passages: literary and informational. Passages include both long and short texts, selected from developmentally appropriate works. Items on the MEA measure Grade Level Expectations, based on Maine’s 1997 *Learning Results*, which can be found at <http://www.maine.gov/education/lsalt/gles.htm>.

# ELA-READING RESULTS

## (CONTINUED)

Test Date: March 2008  
 Grade: 8  
 SAU: MSAD 54  
 School: Skowhegan Area Middle School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
<b>All Students</b>	215	29	13	109	51	48	22	29	13	846	215	13	51	22	13	846	14924	23	48	18	11	849
<b>Ethnicity</b>																						
African American/Black	2										2						348	11	38	22	29	840
American Indian or Native Alaskan	0										0						117	9	43	29	19	842
Asian or Pacific Islander	0										0						179	32	39	18	11	852
Hispanic	0										0						131	18	38	27	17	846
Caucasian/White	213	29	14	108	51	47	22	29	14	846	213	14	51	22	14	846	14149	23	49	18	10	850
Not Reported	0										0						0					
<b>Identified disability</b>																						
Yes	42	0	0	9	21	12	29	21	50	831	42	0	21	29	50	831	2269	3	24	32	42	833
No	173	29	17	100	58	36	21	8	5	849	173	17	58	21	5	849	12655	27	52	16	5	852
<b>Current LEP</b>																						
Yes	0										0						308	8	30	27	34	837
No	215	29	13	109	51	48	22	29	13	846	215	13	51	22	13	846	14616	23	48	18	10	850
<b>Economically disadvantaged</b>																						
Yes	102	5	5	48	47	30	29	19	19	841	102	5	47	29	19	841	5222	12	44	25	19	843
No	113	24	21	61	54	18	16	10	9	850	113	21	54	16	9	850	9702	29	50	14	7	853
<b>Migrant</b>																						
Yes	1										1						7	0	86	0	14	850
No	214	29	14	108	50	48	22	29	14	846	214	14	50	22	14	846	14917	23	48	18	11	849
<b>Gender</b>																						
Female	103	18	17	54	52	24	23	7	7	849	103	17	52	23	7	849	7198	30	48	15	7	853
Male	112	11	10	55	49	24	21	22	20	843	112	10	49	21	20	843	7726	17	49	21	14	847
Not Reported	0										0						0					
<b>Title 1A targeted program</b>																						
Yes	0										0						807	9	41	32	18	842
No	215	29	13	109	51	48	22	29	13	846	215	13	51	22	13	846	14117	24	49	17	10	850
<b>Gifted/talented program</b>																						
Yes	24	12	50	12	50	0	0	0	0	862	24	50	50	0	0	862	592	71	28	1	0	867
No	191	17	9	97	51	48	25	29	15	844	191	9	51	25	15	844	14332	21	49	19	11	849

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

# ELA–READING RESULTS

## (QUESTIONNAIRE ITEMS)

Test Date: March 2008  
Grade: 8  
SAU: MSAD 54  
School: Skowhegan Area Middle School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
		%	N	%	N	%	N	%	N													
How much homework do you do on school nights?																						
A. none	10	0	0	11	52	6	29	4	19	841	10	0	52	29	19	841	9	10	39	24	26	841
B. less than one hour	50	11	10	57	54	23	22	15	14	845	50	10	54	22	14	845	46	20	50	20	11	849
C. one to two hours	35	14	19	38	51	15	20	8	11	848	35	19	51	20	11	848	41	28	49	15	7	852
D. more than two hours	6	4	33	3	25	3	25	2	17	846	6	33	25	25	17	846	5	28	44	15	12	850
How well do the questions that you have just been given on this MEA test match what you have learned in school about reading?																						
A. The questions on the test match what I have learned in reading class.	34	9	12	44	60	10	14	10	14	847	34	12	60	14	14	847	33	31	48	14	7	853
B. They match some of what I have learned.	55	18	15	57	48	30	25	13	11	847	55	15	48	25	11	847	53	21	51	19	9	849
C. They match just a little of what I have learned.	9	2	11	7	37	6	32	4	21	840	9	11	37	32	21	840	11	14	41	25	20	844
D. There is no match.	2	0	0	1	25	1	25	2	50	829	2	0	25	25	50	829	3	6	34	26	35	836
Which of the following best describes how you rate yourself as a student in reading?																						
A. very good	31	18	27	37	56	8	12	3	5	853	31	27	56	12	5	853	31	42	44	8	6	857
B. good	53	11	10	62	55	30	27	10	9	846	53	10	55	27	9	846	49	19	54	19	9	849
C. fair	14	0	0	10	34	5	17	14	48	833	14	0	34	17	48	833	18	5	42	31	22	840
D. poor	3	0	0	0	0	4	67	2	33	828	3	0	0	67	33	828	2	4	29	32	34	835
How difficult was the reading part of this test?																						
A. harder than my regular schoolwork	16	3	9	12	35	11	32	8	24	841	16	9	35	32	24	841	15	16	44	22	18	845
B. about the same as my regular schoolwork	66	18	13	75	54	29	21	18	13	846	66	13	54	21	13	846	65	23	49	18	9	850
C. easier than my regular schoolwork	18	8	21	21	54	7	18	3	8	850	18	21	54	18	8	850	19	30	49	14	8	852
How difficult were the reading passages on this test?																						
A. Most of the passages were more difficult than what I normally read.	9	2	11	10	53	5	26	2	11	844	9	11	53	26	11	844	9	8	33	28	31	838
B. Most of the passages were about the same as what I normally read.	55	7	6	52	45	32	28	25	22	841	55	6	45	28	22	841	53	17	51	21	11	848
C. Most of the passages were easier than what I normally read.	36	20	27	44	59	9	12	2	3	854	36	27	59	12	3	854	38	36	48	11	5	855
How hard did you try on the reading part of this test?																						
A. I tried harder on this test than I do on my regular schoolwork.	43	9	10	46	50	21	23	16	17	844	43	10	50	23	17	844	43	23	48	19	10	849
B. I tried about the same as I do on my regular schoolwork.	50	20	19	57	53	20	19	10	9	849	50	19	53	19	9	849	51	25	49	17	9	851
C. I did not try as hard on this test as I do on my regular schoolwork.	6	0	0	5	38	5	38	3	23	838	6	0	38	38	23	838	6	9	43	24	23	842
How much time do you spend reading at home each day?																						
A. more than one hour	16	4	12	25	74	4	12	1	3	850	16	12	74	12	3	850	18	31	47	13	9	852
B. 20 minutes to an hour	38	14	17	44	54	15	18	9	11	847	38	17	54	18	11	847	41	28	49	15	7	852
C. less than 20 minutes	14	8	28	14	48	4	14	3	10	851	14	28	48	14	10	851	13	20	49	18	12	848
D. I rarely read at home.	32	3	4	26	38	24	35	16	23	840	32	4	38	35	23	840	28	12	47	26	16	844
How do you feel about the following statement? “My knowledge of reading will be useful to me as an adult.”																						
A. strongly agree	41	18	20	55	63	9	10	6	7	851	41	20	63	10	7	851	43	31	48	14	7	853
B. agree	51	10	9	50	45	31	28	19	17	843	51	9	45	28	17	843	48	18	50	20	12	848
C. disagree	5	1	10	3	30	3	30	3	30	837	5	10	30	30	30	837	6	11	43	24	21	843
D. strongly disagree	3	0	0	1	17	4	67	1	17	838	3	0	17	67	17	838	2	6	36	32	26	839
Optional school/SAU question																						
A.	29	0	0	0	0	1	50	1	50	821	29	0	0	50	50	821						
B.	43	0	0	0	0	1	33	2	67	828	43	0	0	33	67	828						
C.	14	0	0	0	0	0	0	1	100	814	14	0	0	0	100	814						
D.	14	0	0	1	100	0	0	0	0	844	14	0	100	0	0	844						

# MATHEMATICS RESULTS

Test Date: March 2008  
Grade: 8  
SAU: MSAD 54  
School: Skowhegan Area Middle School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
<b>Exceeds the Standards</b> – The student’s work demonstrates in-depth understanding of essential concepts in mathematics, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information; analyze and solve difficult problems, including developing and implementing strategies, efficiently and accurately performing procedures, and recording and justifying solutions; and explain complex concepts. (scaled score 861–880)	2005-2006	7	3	7	3	1714	11
	2006-2007	9	4	9	4	1952	13
	<b>2007-2008</b>	<b>16</b>	<b>7</b>	<b>16</b>	<b>7</b>	<b>1657</b>	<b>11</b>
	Cum. Total*	32	5	32	5	5323	11
<b>Meets the Standards</b> – The student’s work demonstrates a general understanding of essential concepts in mathematics, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve problems including developing and implementing strategies, to perform procedures, and to record and explain solutions and concepts. The student’s work may contain minor errors. (scaled score 841–860)	2005-2006	73	31	73	30	5533	34
	2006-2007	63	30	63	30	5870	38
	<b>2007-2008</b>	<b>67</b>	<b>31</b>	<b>67</b>	<b>31</b>	<b>5956</b>	<b>40</b>
	Cum. Total*	203	30	203	30	17359	37
<b>Partially Meets the Standards</b> – The student’s work demonstrates incomplete understanding of essential concepts in mathematics and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems, and explain concepts. Problem solving strategies may be flawed, procedures performed inaccurately, methods not recorded and/or problems not completed. (scaled score 829–840)	2005-2006	86	36	86	36	4764	29
	2006-2007	61	29	61	29	3982	26
	<b>2007-2008</b>	<b>61</b>	<b>28</b>	<b>61</b>	<b>28</b>	<b>3729</b>	<b>25</b>
	Cum. Total*	208	31	208	31	12475	27
<b>Does Not Meet the Standards</b> – The student’s work demonstrates limited understanding of essential concepts in mathematics and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems and explain concepts. Problem solving strategies and procedures are often flawed or inappropriate and there may be many omissions. (scaled score 800–828)	2005-2006	73	31	74	31	4251	26
	2006-2007	80	38	80	38	3534	23
	<b>2007-2008</b>	<b>71</b>	<b>33</b>	<b>71</b>	<b>33</b>	<b>3579</b>	<b>24</b>
	Cum. Total*	224	34	225	34	11364	24

Learning Results Content Standard Clusters	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
<b>Cluster 1: Numbers and Operations</b>	<b>16</b>	<b>29</b>	7.7	48.1	7.7	48.1	8.4	52.5
<b>Cluster 2: Shape and Size</b>	<b>14</b>	<b>25</b>	5.1	36.4	5.1	36.4	5.9	42.1
<b>Cluster 3: Mathematical Decision Making</b>	<b>8</b>	<b>14</b>	4.0	50.0	4.0	50.0	4.6	57.5
<b>Cluster 4: Patterns</b>	<b>18</b>	<b>32</b>	7.7	42.8	7.7	42.8	8.9	49.4

- Cluster 1: Numbers and Operations**  
 A. Numbers and Number Sense  
 B. Computation  
 I. Discrete Mathematics (grades 3 and 4 only)
- Cluster 2: Shape and Size**  
 E. Geometry  
 F. Measurement
- Cluster 3: Mathematical Decision Making**  
 C. Data Analysis and Statistics  
 D. Probability
- Cluster 4: Patterns**  
 G. Patterns, Relations, and Functions  
 H. Algebra Concepts  
 K. Mathematical Communication

Each content standard in the clusters above is defined in Maine’s 1997 *Learning Results*, which are the basis for Grade Level Expectations. Each item on the MEA measures a grade level expectation, which can be found at <http://www.maine.gov/education/lsalt/gles.htm>.

# MATHEMATICS RESULTS

## (CONTINUED)

Test Date: March 2008  
 Grade: 8  
 SAU: MSAD 54  
 School: Skowhegan Area Middle School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
<b>All Students</b>	215	16	7	67	31	61	28	71	33	836	215	7	31	28	33	836	14921	11	40	25	24	841
<b>Ethnicity</b>																						
African American/Black	2										2						352	2	23	23	52	828
American Indian or Native Alaskan	0										0						117	5	22	33	39	832
Asian or Pacific Islander	0										0						181	24	42	20	14	848
Hispanic	0										0						131	7	34	26	33	836
Caucasian/White	213	16	8	66	31	61	29	70	33	836	213	8	31	29	33	836	14140	11	41	25	23	841
Not Reported	0										0						0					
<b>Identified disability</b>																						
Yes	42	0	0	2	5	6	14	34	81	820	42	0	5	14	81	820	2265	1	14	22	62	824
No	173	16	9	65	38	55	32	37	21	840	173	9	38	32	21	840	12656	13	45	26	17	844
<b>Current LEP</b>																						
Yes	0										0						315	5	24	20	51	828
No	215	16	7	67	31	61	28	71	33	836	215	7	31	28	33	836	14606	11	40	25	23	841
<b>Economically disadvantaged</b>																						
Yes	102	5	5	22	22	31	30	44	43	832	102	5	22	30	43	832	5217	5	30	29	37	834
No	113	11	10	45	40	30	27	27	24	840	113	10	40	27	24	840	9704	15	45	23	17	845
<b>Migrant</b>																						
Yes	1										1						7	0	43	43	14	838
No	214	16	7	67	31	60	28	71	33	836	214	7	31	28	33	836	14914	11	40	25	24	841
<b>Gender</b>																						
Female	103	4	4	33	32	33	32	33	32	836	103	4	32	32	32	836	7199	11	40	26	23	841
Male	112	12	11	34	30	28	25	38	34	837	112	11	30	25	34	837	7722	11	40	24	25	841
Not Reported	0										0						0					
<b>Title 1A targeted program</b>																						
Yes	0										0						806	3	20	30	47	831
No	215	16	7	67	31	61	28	71	33	836	215	7	31	28	33	836	14115	12	41	25	23	842
<b>Gifted/talented program</b>																						
Yes	24	10	42	14	58	0	0	0	0	859	24	42	58	0	0	859	592	58	39	2	1	864
No	191	6	3	53	28	61	32	71	37	833	191	3	28	32	37	833	14329	9	40	26	25	840

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number



# MATHEMATICS RESULTS

## (QUESTIONNAIRE ITEMS)

Test Date: March 2008  
Grade: 8  
SAU: MSAD 54  
School: Skowhegan Area Middle School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
		%	N	%	N	%	N	%	N			%	%	%	%			%	%	%	%	
How much homework do you do on school nights?																						
A. none	10	0	0	7	33	3	14	11	52	828	10	0	33	14	52	828	9	5	30	23	41	833
B. less than one hour	50	10	9	30	28	30	28	36	34	836	50	9	28	28	34	836	46	10	40	26	25	840
C. one to two hours	35	4	5	27	36	24	32	20	27	838	35	5	36	32	27	838	41	14	42	25	19	843
D. more than two hours	6	2	17	3	25	3	25	4	33	837	6	17	25	25	33	837	5	14	38	23	24	842
How well do the questions that you have just been given on this MEA test match what you have learned in school about mathematics?																						
A. The questions on the test match what I have learned in mathematics class.	26	9	16	18	32	16	29	13	23	839	26	16	32	29	23	839	30	17	43	22	18	845
B. They match some of what I have learned.	53	5	4	45	39	29	25	35	31	838	53	4	39	25	31	838	50	10	42	26	22	841
C. They match just a little of what I have learned.	17	2	5	3	8	15	41	17	46	830	17	5	8	41	46	830	17	6	32	29	33	836
D. There is no match.	3	0	0	1	14	0	0	6	86	820	3	0	14	0	86	820	4	3	18	25	54	828
Which of the following best describes how you rate yourself as a student in mathematics?																						
A. very good	29	8	13	29	47	15	24	10	16	844	29	13	47	24	16	844	26	29	46	14	11	851
B. good	49	8	8	32	31	31	30	33	32	836	49	8	31	30	32	836	45	7	46	27	20	841
C. fair	20	0	0	6	14	12	29	24	57	827	20	0	14	29	57	827	23	1	26	34	38	833
D. poor	3	0	0	0	0	2	33	4	67	823	3	0	0	33	67	823	5	1	14	29	57	827
How difficult was the mathematics part of this test?																						
A. harder than my regular schoolwork	42	2	2	22	25	26	29	39	44	832	42	2	25	29	44	832	34	4	35	28	32	836
B. about the same as my regular schoolwork	47	7	7	37	38	28	29	26	27	838	47	7	38	29	27	838	52	10	43	26	21	842
C. easier than my regular schoolwork	11	7	30	8	35	4	17	4	17	847	11	30	35	17	17	847	13	33	40	14	13	852
How hard did you try on the mathematics part of this test?																						
A. I tried harder on this test than I do on my regular schoolwork.	44	4	4	28	30	26	28	34	37	834	44	4	30	28	37	834	44	10	40	26	25	840
B. I tried about the same as I do on my regular schoolwork.	48	11	11	35	35	26	26	28	28	839	48	11	35	26	28	839	50	13	42	24	21	843
C. I did not try as hard on this test as I do on my regular schoolwork.	8	1	6	2	12	7	41	7	41	830	8	6	12	41	41	830	6	9	27	27	38	835
How often do you use laptops in mathematics class?																						
A. almost every day	5	0	0	3	30	3	30	4	40	827	5	0	30	30	40	827	9	6	38	27	29	837
B. two or three days a week	10	1	5	5	23	10	45	6	27	833	10	5	23	45	27	833	16	8	38	27	27	839
C. two or three times each month	28	4	7	20	34	15	25	20	34	837	28	7	34	25	34	837	28	12	41	27	21	843
D. never or almost never	57	11	9	39	32	32	26	41	33	837	57	9	32	26	33	837	48	13	40	23	24	842
How often do you use calculators in mathematics class?																						
A. almost every day	19	10	25	14	35	5	13	11	28	843	19	25	35	13	28	843	38	14	42	23	21	843
B. two or three times a week	22	4	9	15	32	12	26	16	34	837	22	9	32	26	34	837	33	10	41	26	23	841
C. two or three times each month	33	2	3	21	30	23	33	24	34	835	33	3	30	33	34	835	18	10	36	27	27	840
D. never or almost never	27	0	0	17	30	20	35	20	35	833	27	0	30	35	35	833	11	7	34	26	33	836
How do you feel about the following statement? “My knowledge of mathematics will be useful to me as an adult.”																						
A. strongly agree	59	10	8	47	37	36	29	33	26	839	59	8	37	29	26	839	54	14	44	23	18	844
B. agree	36	4	5	18	23	20	26	35	45	831	36	5	23	26	45	831	38	8	36	27	28	838
C. disagree	4	2	22	1	11	4	44	2	22	840	4	22	11	44	22	840	6	6	31	28	36	835
D. strongly disagree	0	0	0	1	100	0	0	0	0	844	0	0	100	0	0	844	2	3	23	25	49	831
Optional school/SAU question																						
A.	29	0	0	0	0	1	50	1	50	817	29	0	0	50	50	817						
B.	43	0	0	0	0	1	33	2	67	819	43	0	0	33	67	819						
C.	14	0	0	0	0	0	0	1	100	820	14	0	0	0	100	820						
D.	14	0	0	0	0	1	100	0	0	834	14	0	0	100	0	834						

# SCIENCE AND TECHNOLOGY RESULTS

Test Date: March 2008  
Grade: 8  
SAU: MSAD 54  
School: Skowhegan Area Middle School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
<b>Exceeds the Standards</b> – The student’s work demonstrates in-depth understanding of essential concepts in science, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information, analyze and solve difficult problems using the processes of scientific inquiry, and explain complex concepts using evidence and proper terminology to support and communicate logical conclusions. (scaled score 861–880)	2005-2006	10	4	10	4	1879	12
	2006-2007	12	6	12	6	2192	14
	<b>2007-2008</b>	<b>13</b>	<b>6</b>	<b>13</b>	<b>6</b>	<b>2371</b>	<b>16</b>
	Cum. Total*	35	5	35	5	6442	14
<b>Meets the Standards</b> – The student’s work demonstrates a general understanding of essential concepts in science, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve routine problems using the processes of scientific inquiry and explain central concepts with sufficient clarity and accuracy to demonstrate general understanding. (scaled score 841–860)	2005-2006	128	54	129	54	8604	53
	2006-2007	92	43	92	43	7916	52
	<b>2007-2008</b>	<b>105</b>	<b>49</b>	<b>105</b>	<b>49</b>	<b>7630</b>	<b>51</b>
	Cum. Total*	325	49	326	49	24150	52
<b>Partially Meets the Standards</b> – The student’s work demonstrates incomplete understanding of essential concepts in science and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems using scientific inquiry but the quality of responses is inconsistent. Explanation of concepts may be incomplete or unclear. (scaled score 831–840)	2005-2006	63	26	63	26	3618	22
	2006-2007	67	32	67	32	3340	22
	<b>2007-2008</b>	<b>50</b>	<b>23</b>	<b>50</b>	<b>23</b>	<b>3175</b>	<b>21</b>
	Cum. Total*	180	27	180	27	10133	22
<b>Does Not Meet the Standards</b> – The student’s work demonstrates limited understanding of essential concepts in science and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems and use the skills of scientific inquiry. There are many inaccuracies and explanations are illogical, incomplete, or missing. (scaled score 800–830)	2005-2006	37	16	37	15	2174	13
	2006-2007	41	19	41	19	1865	12
	<b>2007-2008</b>	<b>46</b>	<b>21</b>	<b>46</b>	<b>21</b>	<b>1731</b>	<b>12</b>
	Cum. Total*	124	19	124	19	5770	12

Learning Results Content Standard Clusters	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Cluster 1: Life Sciences	14	25	7.5	53.6	7.5	53.6	8.1	57.9
Cluster 2: Physical Sciences	14	25	6.2	44.3	6.2	44.3	7.3	52.1
Cluster 3: Earth and Space Sciences	14	25	6.6	47.1	6.6	47.1	7.7	55.0
Cluster 4: Nature and Implications of Science	14	25	7.9	56.4	7.9	56.4	8.5	60.7

## Cluster 1: Life Sciences

- A. Classifying Life Forms
- B. Ecology
- C. Cells

## Cluster 2: Physical Sciences

- E. Structure of Matter
- H. Energy
- I. Motion

## Cluster 3: Earth and Space Sciences

- D. Continuity and Change
- F. The Earth
- G. The Universe

## Cluster 4: Nature and Implications of Science

- J. Inquiry and Problem Solving
- K. Scientific Reasoning
- L. Communication
- M. Implications of Science & Technology

Each content standard in the clusters shown is defined in Maine’s 1997 *Learning Results*, which are the basis for science and technology Grade Span Expectations. Each item on the MEA measures a grade span expectation, which can be found at <http://www.maine.gov/education/lslat/gles.htm>.



# SCIENCE AND TECHNOLOGY RESULTS

## (CONTINUED)

Test Date: March 2008  
 Grade: 8  
 SAU: MSAD 54  
 School: Skowhegan Area Middle School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
<b>All Students</b>	214	13	6	105	49	50	23	46	21	843	214	6	49	23	21	843	14907	16	51	21	12	847
<b>Ethnicity</b>																						
African American/Black	2										2						349	4	35	26	34	837
American Indian or Native Alaskan	0										0						117	8	40	28	24	840
Asian or Pacific Islander	0										0						181	20	50	15	15	849
Hispanic	0										0						131	5	50	22	23	842
Caucasian/White	212	13	6	104	49	50	24	45	21	843	212	6	49	24	21	843	14129	16	52	21	11	848
Not Reported	0										0						0					
<b>Identified disability</b>																						
Yes	42	1	2	11	26	8	19	22	52	834	42	2	26	19	52	834	2258	3	29	31	37	836
No	172	12	7	94	55	42	24	24	14	845	172	7	55	24	14	845	12649	18	55	20	7	850
<b>Current LEP</b>																						
Yes	0										0						315	4	29	25	42	834
No	214	13	6	105	49	50	23	46	21	843	214	6	49	23	21	843	14592	16	52	21	11	848
<b>Economically disadvantaged</b>																						
Yes	101	4	4	42	42	22	22	33	33	839	101	4	42	22	33	839	5206	8	45	28	20	842
No	113	9	8	63	56	28	25	13	12	846	113	8	56	25	12	846	9701	20	55	18	7	850
<b>Migrant</b>																						
Yes	1										1						7	29	57	14	0	852
No	213	13	6	104	49	50	23	46	22	843	213	6	49	23	22	843	14900	16	51	21	12	847
<b>Gender</b>																						
Female	103	4	4	51	50	27	26	21	20	842	103	4	50	26	20	842	7196	14	52	23	12	847
Male	111	9	8	54	49	23	21	25	23	843	111	8	49	21	23	843	7711	18	51	20	12	848
Not Reported	0										0						0					
<b>Title 1A targeted program</b>																						
Yes	0										0						804	6	38	34	22	841
No	214	13	6	105	49	50	23	46	21	843	214	6	49	23	21	843	14103	16	52	21	11	848
<b>Gifted/talented program</b>																						
Yes	24	7	29	17	71	0	0	0	0	860	24	29	71	0	0	860	592	63	35	1	0	865
No	190	6	3	88	46	50	26	46	24	841	190	3	46	26	24	841	14315	14	52	22	12	847

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

# SCIENCE AND TECHNOLOGY RESULTS

## (QUESTIONNAIRE ITEMS)

Test Date: March 2008  
Grade: 8  
SAU: MSAD 54  
School: Skowhegan Area Middle School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
		%	N	%	N	%	N	%	N			%	%	%	%			%	%	%	%	
How much homework do you do on school nights? A. none B. less than one hour C. one to two hours D. more than two hours	10 50 35 6	1 5 7 0	5 5 9 0	7 57 34 7	33 54 45 58	5 25 17 3	24 24 23 25	8 19 17 2	38 18 23 17	839 843 843 843	10 50 35 6	5 5 9 0	33 54 45 58	24 24 23 25	38 18 23 17	839 843 843 843	9 46 41 5	10 14 19 19	40 52 53 47	26 22 19 21	23 12 9 14	842 847 849 848
How well do the questions that you have just been given on this MEA test match what you have learned in school about science? A. The questions on the test match what I have learned in science class. B. They match some of what I have learned. C. They match just a little of what I have learned. D. There is no match.	18 53 21 8	2 8 3 0	5 7 7 0	20 54 24 7	51 48 53 44	6 29 9 6	15 26 20 38	11 21 9 3	28 19 20 19	843 843 843 840	18 53 21 8	5 7 7 0	51 48 53 44	15 26 20 38	28 19 20 19	843 843 843 840	29 49 18 5	19 16 13 9	54 51 51 39	19 22 23 29	9 11 13 23	849 848 846 842
Which of the following best describes how you rate yourself as a student in science? A. very good B. good C. fair D. poor	21 54 21 3	2 10 1 0	4 9 2 0	28 58 18 1	62 50 40 14	6 27 15 2	13 23 33 29	9 20 11 4	20 17 24 57	846 844 839 832	21 54 21 3	4 9 2 0	62 50 40 14	13 23 33 29	20 17 24 57	846 844 839 832	23 54 20 3	28 15 5 2	51 55 45 35	13 21 32 34	8 9 18 29	853 848 842 838
How difficult was the science part of this test? A. harder than my regular schoolwork B. about the same as my regular schoolwork C. easier than my regular schoolwork	38 50 12	5 6 2	6 6 8	38 49 16	49 47 64	18 29 1	23 28 4	17 20 6	22 19 24	843 843 844	38 50 12	6 6 8	49 47 64	23 28 4	22 19 24	843 843 844	27 59 13	15 15 21	49 53 51	22 22 18	14 10 10	846 848 850
How hard did you try on the science part of this test? A. I tried harder on this test than I do on my regular schoolwork. B. I tried about the same as I do on my regular schoolwork. C. I did not try as hard on this test as I do on my regular schoolwork.	42 53 5	4 8 1	5 7 9	39 63 2	44 56 18	20 26 4	23 23 36	25 15 4	28 13 36	841 845 839	42 53 5	5 7 9	44 56 18	23 23 36	28 13 36	841 845 839	40 55 5	15 17 12	51 53 41	22 21 25	12 10 22	847 848 843
Which courses do you plan to take before you graduate from high school? A. earth and space science and/or biology B. the course(s) described in A, plus chemistry C. the course(s) described in B, plus physics D. a life science and physical science class	19 18 17 47	1 2 5 5	3 5 14 5	18 24 17 44	46 65 49 45	8 8 3 30	21 22 9 31	12 3 10 19	31 8 29 19	839 848 845 842	19 18 17 47	3 5 14 5	46 65 49 45	21 22 9 31	31 8 29 19	839 848 845 842	25 24 22 29	11 18 30 8	53 53 47 52	23 20 14 27	13 10 8 14	846 849 853 844
How do you feel about the following statement? “My knowledge of science and technology will be useful to me as an adult.” A. strongly agree B. agree C. disagree D. strongly disagree	18 58 19 5	5 8 0 0	13 6 0 0	25 63 15 2	66 51 38 20	3 27 16 4	8 22 40 40	5 26 9 4	13 21 23 40	850 843 839 833	18 58 19 5	13 6 0 0	66 51 38 20	8 22 40 40	13 21 23 40	850 843 839 833	27 54 15 4	23 15 10 7	51 53 50 39	17 21 26 30	9 11 14 24	851 847 845 841
How well does the following statement reflect your future goals? “I am interested in a career related to science, technology, engineering, or mathematics.” A. strongly agree B. agree C. disagree D. strongly disagree	24 37 27 12	8 2 1 2	16 3 2 8	30 39 25 10	59 50 45 38	5 21 14 10	10 27 25 38	8 16 16 4	16 21 29 15	848 841 841 843	24 37 27 12	16 3 2 8	59 50 45 38	10 27 25 38	16 21 29 15	848 841 841 843	25 37 26 12	24 15 12 8	52 50 53 48	15 22 23 28	8 12 12 15	851 847 846 844
Optional school/SAU question A. B. C. D.	29 43 14 14	0 0 0 0	0 0 0 0	0 0 0 1	0 0 0 100	0 2 0 0	0 67 0 0	2 1 0 0	100 33 100 0	820 833 816 848	29 43 14 14	0 0 0 0	0 0 0 100	0 67 0 0	100 33 100 0	820 833 816 848						

E = Exceeds the Standards    M = Meets the Standards    P = Partially Meets the Standards    D = Does Not Meet the Standards  
N = Number